

"A solution **in wood**
specially designed for use
in highly humid indoor environments or for
applications requiring **high resistance**."

designs

LAWCRIS™
Independent strength

LAWCRIS
Tel: 01132 177 177
Fax 01132 405 588
Email : sales@lawcris.co.uk
Website sales@lawcris.co.uk

CompacMel Plus
The wood compact

FINSA
solutions in wood

CompacMel Plus
The wood compact



CompacMel Plus range

Standard size: 2440x2100x12 mm

78E WHITE SR209	65B IVORY BAMA	33G AZUL STAR	93F AZUL KLEIN
09F GRIS TORMENTA	22G AMARILLO SOL	19R AZUL PASTEL	10C CAMBRIDGE WALNUT
U12 NATURAL GREY	54C VERDE NATURAL	07G MORADO	49D LISSA OAK
71A GRIS GU	28G MANDARINA	021 LILA	15G PINO ZERMATT
		172 ROJO	16G PINO CHAMONIX



Office furniture
Actiu



LAWCRIS™
Independent strength

Features

The result of our commitment to R & D, COMPAC PLUS / COMPACMEL PLUS are the natural evolution of wood-based fibreboards: offering a technically advanced solution to the most demanding projects.

COMPAC PLUS is a compact high-density wood fibreboard (>1000 kg/m³), with excellent mechanical properties.

Furthermore, COMPACMEL PLUS provides a high-strength decorative melamine protection.



Applications

- Sports facilities: lockers, benches, shower screens * ...
- Commercial facilities: testing rooms, counters ...
- School and office furniture: shelves, tables, ...
- Kitchen Furniture: worktops*
- Hospital equipment: beds, tables, cupboard doors.
- Hotel equipment.
- Suspended separations in public bathrooms
- Panelling
- Interior doors

* for this application it is recommended to seal the edges.

CompacMel Plus
Main features



Main advantages



- Environmentally friendly: wood is a sustainable, 100% recyclable material.
- Classification E1: low formaldehyde contents.



- High moisture resistance (comfortably exceeds tests V313 and V100).



- Competitive cost.
- Low tool-wear.



- Wide range of decors.
- Versatile design.



- Excellent mechanical properties (bending strength, internal bond, impact strength, ...)
- Stability.



- Easily machined (cutting and drilling) and installation.
- Standard tools and hardware.



The production process of **CompacMel Plus** saves up to **80% of the emission of greenhouse gases**, compared to traditional compact laminate process.

Fully FSC certified



The mark of responsible forestry

Wall-panelling and shelves

LG & A SAP, Arquitectos Bilbao

Church of San Bartolomé

Leioa (Vizcaya)

CompacMel Plus
Certification



Certification

The **Technological Institute of Furniture, Wood, Packaging and related materials**, AIDIMA is a non-profit organization incorporated in 1984, boasting one of the best Technological Institutes in Europe. A complete characterization of CompacMel Plus has been carried out at its laboratories, assessing both the properties of the core as well as those of its coating.

THERMAL CONDUCTIVITY

Thanks to its good thermal **conductivity**, CompacMel Plus is a perfect product for wall-panelling, as it substantially improves thermal insulation and therefore reduces energy consumption.

"The tested CompacMel Plus product meets the requirements of the following standards for kitchen and bathroom furniture":

- UNE 56 842
- UNE 56 843
- UNE 56 867
- UNE 560868
- ISO 19711-1

RESISTANCE ANALYSIS OF THE CORE

Features	Standard	Unit	CompacMel Plus*
Density	EN 323	kg / m³	1050-1100
Surface pull out test	EN 311	N/mm²	> 3,5
Screw pull out test	EN 13446	N	> 1300
Impact resistance. Height of the drop	UNE 56754	mm	> 2000
Thickness swelling after being immersed in water for 24h	EN 317	%	0.15
Thermal conductivity	EN 12667	W / m K	0.12

RESISTANCE ANALYSIS OF THE MELAMINE COATING. Reference: White SR 209

Features	Standard		HPL standard requirement	CompacMel Plus*
Appearance	UNE 56867	Assessment	No defects	No defects
Stain resistance	EN 438-4	Group 1 agents. Assessment	≥ 5	5
		Group 2 agents. Assessment	≥ 5	5
		Group 3 agents. Assessment	≥ 4	5
Abrasion resistance	EN 438-4	Starting point IP (cycles)	≥ 150	900
		Resistance (cycles)	≥ 350	1100
Ball drop impact resistance	EN 438-4	Height of the drop (mm)	≥ 1800	≥ 2000
Colour fastness to light	EN 438-4	Grayscale. Assessment	≤ 4 - 5	5
Water vapor resistance. Rating colour / gloss	UNE 56 867	Colour. Assessment	≥ 4	5
		Gloss. Assessment	≥ 4	5
Resistance to dry heat at 180 °C	UNE 56 867	Colour. Assessment	≥ 4	5
		Gloss. Assessment	≥ 4	5
Resistance to wet heat at 100 °C	EN 438-4	Other types of finishing. Assessment	≥ 4	5
Crack resistance	EN 438-4	Assessment	≥ 4	5
Resistance to cigarette burns	EN 438-4	Assessment	≥ 3	5
Scratch resistance	EN 438-4	Smooth finishing	≥ 2	5
Heat shock cycles	UNE 48025	Assessment	No defects	No defects

TOLERANCE IN NOMINAL DIMENSIONS

TEST	PROPERTY	THICKNESS (mm)
EN 324-1	Thickness	± 0.20
EN 324-1	Length and width	+/- 2 mm/m max 5 mm
EN 324-2	Squareness	± 2
EN 324-2	Edge straightness	± 1.5

Toilet cubicles

Bastos e Cabral

EDP Substation

Vila do Conde (Portugal)

Wall-panelling

Codimer

Health centre

Talavera de la Reina (Toledo)

Doors and furniture

LG & A SAP, Arquitectos Bilbao

Church of San Bartolomé

Leioa (Vizcaya)

Lockers

Puertas Carthago

Palacio de los deportes

Cartagena (Murcia)